

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kevin G. Hetzler, et al.

Title: DRAW RESONANT RESISTANT MULTILAYER FILMS

Application No.: NEW APPLICATION Filed: HERewith

Atty. Docket No.: 1035-O4334

MS PATENT APPLICATION
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B
☐ Other: n/a

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

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For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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Elise K. Dougherty
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- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.

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This Information Disclosure Statement is being filed:

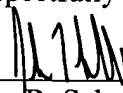
- ☒ within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
- ☐ before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
- ☐ during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
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Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-2469.

2.20.04

Date

Respectfully submitted,



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Substitute for form 1449/PTO

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(Use as many sheets as necessary)

Complete if Known

Application Number	NEW APPLICATION
Filing Date	HEREWITH
First Named Inventor	Kevin G. Hetzler
Art Unit	
Examiner Name	
Attorney Docket Number	1035-O4334

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of

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AAA	A. Ghijssels, et al., "Draw Resonance Studies on Polypropylene Melts", INTERNATIONAL CONGRESS ON RHEOLOGY, 8th, 1980, Ed. by G. Astarita, pp. 15-24.	
	BBB	J. Flanagan, "Better die Design and Equipment Enhance the Cast Film Process", MODERN PLASTICS INTERNATIONAL, February 1993, pp. 35-37.	
	CCC	E.H. Roberts, et al., "Draw Resonance Reduction in Melt Embossing and Extrusion Coating Resins", ADVANCES IN POLYMER TECHNOLOGY, Vol. 6, No. 1, pp. 65-71 (1986).	
	DDD	H. Kometani, et al., "Development of Wide and High-Speed Nonoriented Film Production Lines", MITSUBISHI HEAVY INDUSTRIES, LTD., Technical Review, Vol. 38, No. 1, Feb. 2001.	
	EEE		
	FFF		
	GGG		
	HHH		
	III		
	JJJ		

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Attorney Docket Number	1035-O4334

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	BA	US- 2001/0051256 A1	12/13/2001	Silagy, et al.	
	BB	US- 2002/0061398 A1	05/23/2002	Heffner, et al.	
	BC	US- 2002/0068175 A1	06/06/2002	Strassel	
	BD	US- 2002/0074691 A1	06/20/2002	Mortellite, et al.	
	BE	US- 2002/0150763 A1	10/17/2002	Silagy, et al.	
	BF	US- 2003/0041952 A1	03/06/2003	Mortellite, et al.	
	BG	US- 2003/0114595 A1	06/19/2003	Van Dun, et al.	
	BH	US- 2003/0145938 A1	08/07/2003	Mortellite, et al.	
	BI	US- 5,242,976	09/07/1993	Strassel, et al.	
	BJ	US- 5,395,471	03/07/1995	Objeski, et al.	
	AK	US- 6,143,415	11/07/2000	Lorek, et al.	
	AL	US- 6,436,495	08/20/2002	Tsukamoto, et al.	
	AM	US- 6,436,533	08/20/2002	Heffner, et al.	
	AN	US- 6,444,311 B1	09/03/2002	Friedman, et al.	
	AO	US- 6,583,222 B1	06/24/2003	Chaudbary, et al.	
	AP	US- 6,593,005 B2	07/15/2003	Tau, et al.	
	AQ	US- 4,859,379	08/22/1989	Chiang	
	AR	US-			
	AS	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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		First Named Inventor	Kevin G. Hetzler
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	BA	C. Pattamaprom, et al., "Analysis of Extensional Viscosity Techniques for the Characterization of Fluoropolymer", ANTEC 2002.	
	BB	M.H. Wagner, "Rheotens-Mastercurves and Drawability of Polymer Melts", POLYMER ENGINEERING AND SCIENCE, mid-April 1996, Vol. 36, No. 7., pp. 925-935.	
	BC	J.S. Lee, et al., "Meltspinning Dynamic of Phan-Thien Tanner Fluids", KOREA-AUSTRALIA RHEOLOGY JOURNAL, June 2000, Vol. 12, No. 2, pp. 119-124.	
	BD	T. Matsumoto, et al., "Draw Resonance Involving Rheological Transitions", POLYMER ENGINEERING AND SCIENCE, May, 1978, Vol. 18, No. 7, pp. 564-571.	
	BE	J.C. Hyun, "Theory of Draw Resonance", AICHE JOURNAL, May 1978, Vol. 24, No. 3, pp. 418-422.	
	BF	J.C. Hyun, "Part II. Power Law and Maxwell Fluids", AICHE JOURNAL, May 1978, Vol. 24, No. 3, pp. 423-426.	
	BG	S. Goyal, "The Influence of Polymer Structure on Melt Strength Behavior of PE Resins", PLASTICS ENGINEERING, February 1995, pp. 25-28.	
	BH	E. M. Phillips, et al., "High Performance Polypropylene Extrusion Coating Resins", JOURNAL OF COATED FABRICS, Vol. 19, January 1990, pp. 155-168.	
	BI	K.K. Dohrer, et al., "Resistance to Draw Resonance of Linear Low Density Polyethylene Through Improved Resin Design", ANTEC '89, MAY 1-3, PP. 177-183, 1989.	
	BJ	P.J. Lucchesi, et al., "Reducing Draw Resonance in LLDPE Film Resins", PLASTICS ENGINEERING, May 1985, pp. 87-90.	

Examiner Signature		Date Considered	
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